

STANDARD INSPECTION REPORT OF A GAS OPERATOR FIELD AUDIT

FIELD AUDIT

Unless otherwise noted, all code references are to 49CFR Part 192.
If an item is marked Unsatisfactory, Not Applicable, or Not Checked, an explanation must be included in this report.

Operator: LIBERTY ENERGY (MID-STATES) CORP D/B/A LIBERTY UTILITIES - CENTRAL	Operator ID#: 38906
Inspection Date(s): 2/3/2015, 2/4/2015	Man Days: 2
Inspection Unit: Vandalia, Vandalia- Transmission	
Location of Audit: Alma, St. Peters, Farina	
Exit Meeting Contact: Les Smith	
Inspection Type: Standard Inspection - Field Audit	
Pipeline Safety Representative(s): Valerie Schwing	
Company Representative to Receive Report: David Hinds, Michael Beatty, Ron Snider	
Company Representative's Email Address: david.hinds@libertyutilities.com, mike.beatty@libertyutilities.com, Ronald.Snider@libertyutilities.com	

Headquarters Address Information:	2370 North High Street Suite 1 Jackson, MO 63755 Emergency Phone#: (855) 644-8134 Fax#:	
Official or Mayor's Name:	David Swain Phone#: (573) 755-0107 Email: david.swain@libertyutilities.com	
Inspection Contact(s)	Title	Phone No.
Les Smith	Gas Superintendent	
David Hinds	Mgr. Compliance and Measurement	

CUSTOMER METER & REGULATOR		Status
<u>Category Comment:</u>		
On February 3, 2015, Staff examined the following customer meters and regulators, St. Alma High, Alma Methodist Church, St. Peters Church, St. Lutheran School, 511,609,708,709,713,715, 721, 721, 730, 726, 722, 720, 704, 702, and 602 IL Street, Alma Illinois.		
[192.353(a)]	Is the customer meter and regulator installed in a readily accessible location and protected from corrosion and other damage, including if installed outside a building, vehicular damage that may be anticipated?	Satisfactory
[192.355(b)(1)]	Is the customer regulator vent rain and insect resistant?	Satisfactory
[192.355(b)(2)]	Is the customer regulator vent located where gas from the vent escapes freely into the atmosphere and away from building openings?	Satisfactory
[192.355(b)(3)]	Is the vent protected from damage caused by submergence in areas of flooding?	Satisfactory

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[192.357(a)]	Is the customer meter and regulator installed to minimize anticipated stresses upon connecting piping?	Satisfactory
[192.357(d)]	Is a customer regulator that might release gas vented to the outside atmosphere?	Satisfactory
[192.359(a)]	Is the meter operating pressure within the allowable limits of the meter case rating?	Satisfactory
[192.365(a)]	Is the service line valve upstream of the regulator or meter?	Satisfactory
[192.365(c)]	Is the underground service line valve located in a curb box or standpipe that allows for ready operation?	Not Checked
<u>General Comment:</u> <i>Staff did not have time to check service line valves located in a curb box or stand due to incoming inclement weather.</i>		
[192.727(d)]	When service to the customer has been discontinued has the proper method been utilized to prevent unauthorized usage?	Satisfactory
<u>General Comment:</u> <i>On February 3, 2015, Staff examined the following retired services, 727 and 601 IL Street, Alma IL.</i>		
CATHODIC PROTECTION		Status
[192.463(a)]	Is the applicable cathodic protection criteria contained in Appendix D of this part being followed?	Satisfactory
<u>Issue Comment:</u> <i>On February 3, 2015, Staff noted a low CP reading of -0.409 volts at the St. Lutheran School located in St. Peters, IL. In order for this issue to be corrected the CP must be raised to -0.85 volts.</i>		
[192.465(a)]	Were pipe to soil readings taken?	Satisfactory
<u>General Comment:</u> <i>On February 3, 2015, Staff recorded cathodic protection readings at the following customer meters and regulators, Alma Methodist Church (-1.126 volts), St. Peters Church (-1.556 volts), St. Lutheran School (-0.409 volts isolated), 511 (-1.154 volts), 708 (-1.145 volts), 709 (-1.152 volts), 713 (-1.144 volts), 715 (-1.071 volts), 721 (-1.056 volts), 730 (-1.062 volts), 726 (-1.080 volts), 722 (-1.137 volts), 720 (-1.065 volts), and 602 (-1.149 volts) IL Street, Alma Illinois.</i> <i>Staff recorded cathodic protection readings at the following regulator stations, St. Peters Take Point (-1.215 volts) and TBS Station (-1.084 volts on inlet piping and -1.535 volts on outlet piping).</i>		
[192.465(b)]	Were rectifier installations inspected?	Satisfactory
<u>General Comment:</u> <i>On February 3, 2015, Staff recorded cathodic protection reading at the Kimmundy Take Point transmission pipeline which was a rectified riding of -1.5 volts.</i>		
[192.465(a)]	Were isolated mains/services tested?	Satisfactory
[192.465(c)]	Were critical/non critical bonds tested?	Not Checked
<u>General Comment:</u> <i>Staff did not have time to check the critical/non critical bonds due to incoming inclement weather.</i>		
[192.467(a)]	Is electrical isolation provided by use of insulated meter spud, valve, union, or	Satisfactory

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	flange?	
[192.467(c)]	Were casings installations tested for electrical isolation?	Satisfactory
<u>General Comment:</u>		
On February 4, 2015, Staff recorded cathodic protection readings at the casing containing the transmission pipeline that crosses I-70 (casing -0.684 volts and transmission pipeline -1.501 volts).		
[192.479(a)]	Is the above ground piping coated or painted as required?	Unsatisfactory
<u>Issue Comment:</u>		
On February 3, 2015, Staff noted a riser at 511 IL Street, Alma IL, which had a disbonded coating. In order for this issue to be corrected a coating material suitable for the prevention of atmospheric corrosion must be applied to the riser.		
[192.479(c)]	Is the pipeline free of corrosion or pitting?	Satisfactory
DAMAGE PREVENTION		Status
<u>Category Comment:</u>		
On February 3, 2015, Staff examined J.U.L.I.E dig ticket numbers A0330065, A0330503, and X026020. Staff also inspected the physical pipeline markings and flags associated with the dig tickets.		
[192.614]	Does the operator have a valid notification of planned excavation activities?	Satisfactory
[265.40(a)]	Did the operator complete the locating activities in the specified timeframe?	Satisfactory
[192.614(c)(5)]	Were temporary markings made in accordance with the operator's Operation and Maintenance Manual?	Satisfactory
[192.707(a)(1)]	Are line markers placed and maintained as close as practical over each buried main and transmission line located at each crossing of a public road and railroad?	Satisfactory
[192.707(a)(2)]	Are line markers placed and maintained as close as practical over each buried main and transmission line located wherever necessary to identify the location of the transmission line or main to reduce the possibility of damage or interference?	Satisfactory
[192.707(c)]	Are line markers placed and maintained as close as practical over each main and transmission line located above ground?	Satisfactory
[192.707(d)(1)]	Do the operator's line markers contain the following information: The following must be written legibly on a background of sharply contrasting color on each line marker: The word "Warning," "Caution," or "Danger" followed by the words "Gas (or name of gas transported) Pipeline" all of which, except for markers in heavily developed urban areas, must be in letters at least 1 inch (25 millimeters) high with ¼ inch (6.4 millimeters) stroke?	Satisfactory
<u>General Comment:</u>		
On February 3-4, 2015, Staff examined pipeline markers along the transmission pipeline, St. Peter Take Point Regulator Station, Cumberland Regulator Station, Alma Regulator Station, and the TBS Regulator Station.		
[192.707(d)(2)]	Do the operator's line markers contain the following information: The following	Satisfactory

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	must be written legibly on a background of sharply contrasting color on each line marker: The name and phone number (including area code) of the operator where the operator can be reached at all times?	
<u>General Comment:</u> On February 3-4, 2015, Staff examined pipeline markers along the transmission pipeline, St. Peter Take Point Regulator Station, Cumberland Regulator Station, Alma Regulator Station, and the TBS Regulator Station.		
PRESSURE LIMITING AND REGULATING DEVICES (MECHANICAL)		Status
<u>Category Comment:</u> On February 3-4, 2015, Staff examined the St. Peter Take Point, Cumberland, Alma Regulator Station, Kinmundy and the TBS Regulator Station.		
[192.739(a)(4)]	Was each pressure limiting station, relief device (except rupture discs), and pressure regulating station and its equipment subjected at intervals not exceeding 15 months, but at least once each calendar year, to inspections and tests to determine that it is properly installed and protected from dirt, liquids, or other conditions that might prevent proper operation.?	Satisfactory
[192.317(b)]	Is each above ground transmission line or main protected from accidental damage by vehicular traffic or other similar causes?	Satisfactory
[192.741(a),192.741(c)]	Were telemetering and/or recording gauges inspected for abnormally high or low pressure indications?	Satisfactory
[192.743(a)]	Is overpressure protection provided on the pipeline down stream of the take point?	Satisfactory
[192.199(d)]	Were the pressure relief or pressure limiting devices inspected to determine if the support was made of noncombustible material?	Satisfactory
[192.199(e)]	Were the pressure relief or pressure limiting devices inspected to determine if the discharge stacks, vents, or outlet ports were designed to prevent accumulation of water, ice, or snow, and located where gas can be discharged into the atmosphere without undue hazard?	Satisfactory
[192.199(h)]	Was each valve, designed to isolate the system under protection from its source of pressure, secured to prevent unauthorized operation of any stop valve that will make the pressure relief valve or pressure limiting device inoperative?	Satisfactory
VALVE MAINTENANCE		Status
[192.747(a)]	Were the valves readily accessible and was the operator able to access the valve with the appropriate valve wrench?	Satisfactory
<u>General Comment:</u> On February 4, 2015, Staff examined the following valves, VC6816, VC6833, VC6851, VC6855, VC6909, and VC6910.		
[192.179(c)]	If blow down activities were observed, were the blow down valves properly sized to allow the transmission pipeline to vent as rapidly as practicable and did the blow down vent freely to atmosphere away from any hazards?	Not Checked
<u>General Comment:</u> Blow down activities were not observed.		

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ODORIZATION OF GAS		Status
<u>Category Comment:</u> <i>On February 4, 2015, Staff observed an odorant reading of 0.08 actual percent gas which is equal to 1.4 actual percent LEL. This reading was taken at 413 N. 5th Vandalia, IL. The Heath Odorator that was used was last calibrated on August 1, 2014, and is due to be recalibrated on November 1, 2015.</i>		
[192.625(a)]	Was the odor intensity level readily detectable at or below 1/5th LEL?	Satisfactory
[192.625(e)]	Was the Odorization equipment and tank levels inspected?	Satisfactory
<u>General Comment:</u> <i>On February 4, 2015, Staff observed an odorant tank gauge reading of 369 lbs. at the St. Peter Regulator Station.</i>		
[192.625(f)]	Was the operator's equipment calibrated as required?	Satisfactory
TRANSMISSION		Status
[192.179(b)(1)]	Are transmission valves protected from tampering or damage?	Satisfactory
<u>General Comment:</u> <i>On February 4, 2015, Staff examined the transmission valve VC6912.</i>		
[192.745(a)]	Were the valves inspected accessible?	Satisfactory
[192.719(a)]	Is pre-tested transmission pipe inventory maintained for use in an emergency?	Not Applicable
<u>General Comment:</u> <i>The operator does not have pre-tested transmission pipeline.</i>		
MARKING OF MATERIAL		Status
[192.63(a)]	Does the operator's components and pipe contain the required markings?	Satisfactory
<u>General Comment:</u> <i>Staff examined the ASTM 2513 1/2 inch DriscoPlex plastic pipe dated March 24, 2013. Staff also examined the ASTM 2513 Saddle Tees with a MAOP of 125 PSI.</i>		
OPERATOR QUALIFICATION		Status
Was a PHMSA Form 15 Operator Qualification Field Inspection Protocol Form completed?		No

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